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CLAIMS

1. Process for preparing a high-molecular polyamide, polyester, copolyester, copolyamide or polyester-amide block copolymer by melt-mixing a polyamide, a polyester, copolyesters or a mixture or mixtures of a polyamide and/or a polyester having a lower molecular weight, than the polymer obtained with the process of the invention, with an diisocyanate, characterized in that the diisocyanate is a blocked diisocyanate having following the formula,

$$\begin{array}{c|c} O & O \\ \hline \\ B_1 & N \end{array} \begin{array}{c} R & O \\ \hline \\ B_2 \end{array}$$

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wherein R = linear, branched or cyclo aliphatic C_2 - C_{20} or aromatic C_6 - C_{20} and B_1 , B_2 = caprolactam, imidazole, dimethyl-pyrazole, triazole, oxim, malonic acid ester, ethylacetylacetonate, phenol, cresol, aliphatic alcohol, secundary amine, hydroxy benzoic acid methyl ester.

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- 2. Process according to Claim 1, characterized in that use is made of 0.05 to 4 wt.% of the blocked diisocyanate, relative to the polyamide, the polyester, the copolyester or the mixture or both.
- 3. Process of any one of claims 1-2, wherein the melt mixing is done in an extruder.
 - 4. Process of claim 3 wherein the extruder is a twin-screw extruder.